Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/21/2020 11:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125058	0	3.41	125200	3.42
Blue	F	SSC	125000	124260	-1	2.33	124926	2.31
Blue	E	FITC	15892	15356	-4	2.96	334	20.64
Blue	D	PE	29999	29289	-3	2.20	638	15.09
Blue	B	PerCP-Cy5-5	43732	43642	-1	3.84	1165	21.03
Blue	A	PE-Cy7	30845	31050	0	6.28	597	41.71
Red	C	APC	46112	45117	-3	2.58	1598	12.37
Red	A	APC-Cy7	30458	29642	-3	2.46	782	11.85
Violet	B	V450	7918	7567	-5	4.44	449	12.89
Violet	A	V500	32171	31551	-2	4.19	745	10.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16532	18.63	634	13	N/A	N/A	Pass
Blue	F	SSC	57334	1.63	574	15	N/A	N/A	Pass
Blue	E	FITC	60	65.51	549	6	0.0187	118	Pass
Blue	D	PE	135	49.42	556	8	0.1500	243	Pass
Blue	B	PerCP-Cy5-5	218	50.70	663	7	0.0085	51	Pass
Blue	A	PE-Cy7	111	103.22	706	8	0.0104	17	Pass
Red	C	APC	383	25.55	588	4	0.0232	130	Pass
Red	A	APC-Cy7	174	29.05	558	2	0.0059	1370	Pass
Violet	B	V450	68	57.19	463	5	0.0486	1924	Pass
Violet	A	V500	111	36.41	479	5	0.0231	1226	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.97	-32.40	0.98
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	16.90	13.60 - 20.40	N/A	N/A	29.60	30.23	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9617

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments